

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 6 (E. CHARLES STREET) AND GARRETT AVENUE IN CHARLES COUNTY, MARYLAND. MD 6 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATION WILL REMAIN THE SAME.

TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS

MD 6 (CHARLES STREET) AND GARRETT AVENUE - WEST LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS CHARLES AT GARRETT. WAIT." *

WALK: RAPID TICK

GARRETT AVENUE AND MD 6 (CHARLES STREET) - SOUTH LEG

STREETS AT 90 DEGREES

WAIT: "WAIT TO CROSS GARRETT AT CHARLES. WAIT." *

WALK: RAPID TICK

* MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPENDICULAR CROSSING IS < 10'
** MESSAGE USED IF CROSSWALK DIVERGES FROM OR CONVERGES WITH PARALLEL TRAFFIC

NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE DETECTOR RACK WILL BE RETRO-FITTED WITH ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.02-09 (FLAGGING OPERATION)

STANDARD NO. MD-104.02-13 (INTERSECTION FLAGGING OPERATION)

NOTE: ALL LANE CLOSURES TO BE COMPLETED DURING NIGHTTIME OPERATIONS.

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

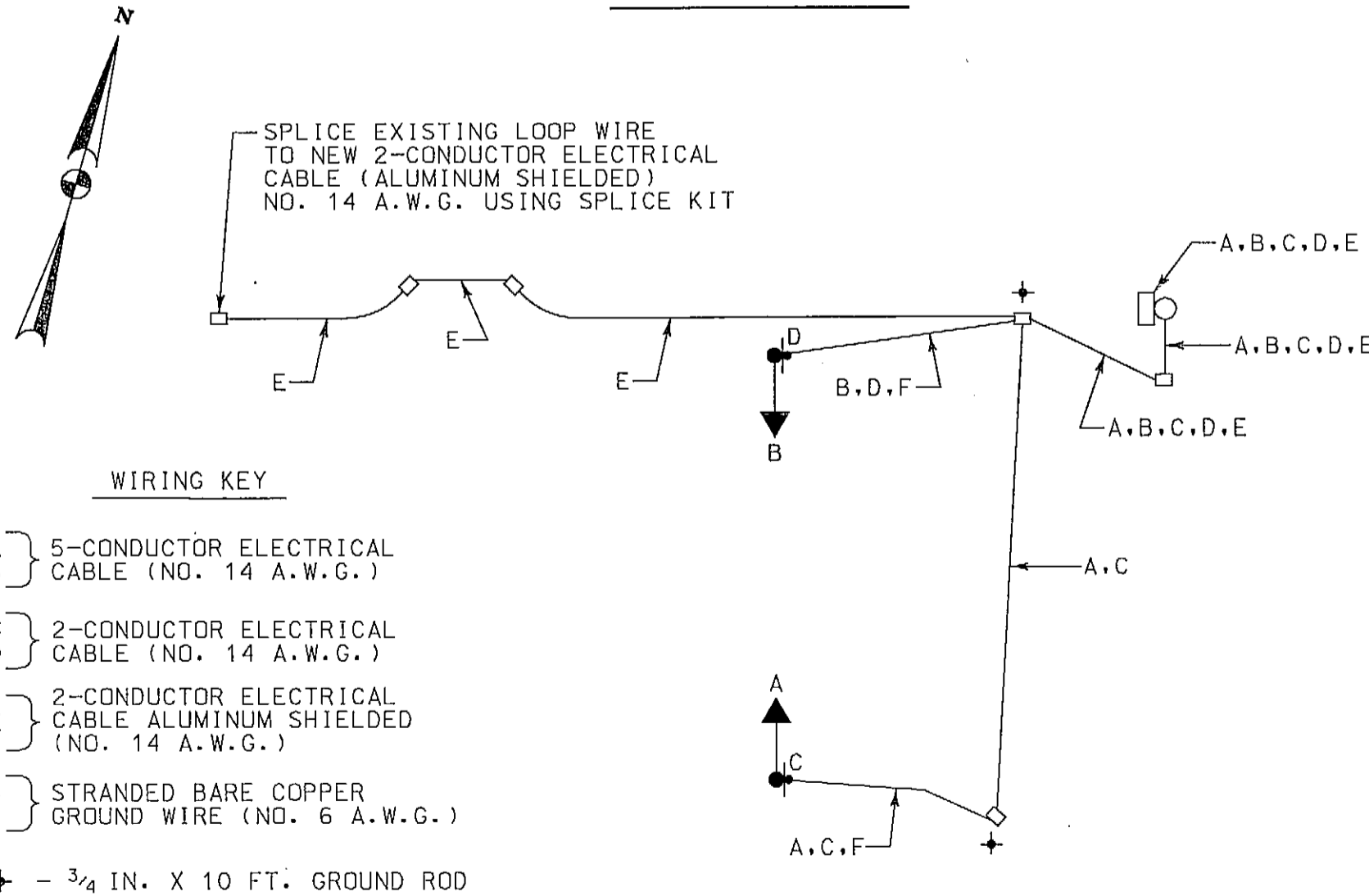
MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019

MR. MIKE HUBER
DISTRICT UTILITY ENGINEER
PHONE: (410) 841-1039

MR. JOHN S. MAYS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM



EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9016	1 EACH	FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER
9046	1 EACH	RETRO FIT DETECTOR RACK
9571	4 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : <ul style="list-style-type: none">- 2 EACH R10-3(1) SIGN (9 IN. X 15 IN.) TO READ "PUSHBUTTON TO CROSS CHARLES STREET"- 2 EACH R10-3(1) SIGN (9 IN. X 15 IN.) TO READ "PUSHBUTTON TO CROSS GARRETT AVENUE"

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	275 L.F.	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
2002	2 C.Y.	TEST PIT EXCAVATION
5005	220 L.F.	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
8001	2 EACH	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGNS
8002	2 EACH	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8003	1 EACH	FURNISH AND INSTALL 2 WIRE CENTRAL CONTROL UNIT
8004	2 EACH	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEADS
8007	1 EACH	REM & DISPOSE MAT & EQUIP PER ASSIGN
8009	1000 L.F.	DISCONNECT, PULL BACK AND REROUTE CABLES
8011	2 EACH	ADJUST EXISTING HANDHOLE
8012	90 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8013	260 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8015	4 S.F.	INSTALL GROUND MOUNTED SIGN
8018	2 EACH	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8020	255 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8021	265 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
NEG.	25 L.F.	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
NEG.	425 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)

PHASE CHART



	1	2	3	4	5	6	7	8	9	10
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)
PHASE 2 + 6	G	G	G	G	R	R	WK	WK	DW	DW
PED. CLEARANCE	G	G	G	G	R	R	FL/DW	FL/DW	DW	DW
2 + 6 CHANGE	Y	Y	Y	Y	R	R	DW	DW	DW	DW
ADVANCE PEDESTRIAN PHASE 3	R	R	R	R	R	R	DW	DW	WK	WK
PHASE 4	R	R	R	R	G	G	WK	WK	WK	WK
PED. CLEARANCE	R	R	R	R	G	G	FL/DW	FL/DW	FL/DW	FL/DW
4 CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FL/R	FL/R	DARK	DARK	DARK	DARK



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 6 (E. Charles Street) and Garrett Avenue
La Plata, Maryland

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE 11/24/2010 CONTRACT NO. AX7055168

DESIGNED BY S. Bloss COUNTY Charles
DRAWN BY S. Bloss LOGMILE 08000626.00
CHECKED BY N. Leary TMS NO.
F.A.P. NO. TOD NO.

TS NO. 3242 B DRAWING TSP-2 OF 2 SHEET NO. OF